

Environmental Protection Agency**§ 141.61**

(2) The effective date for paragraphs (a)(9) through (a)(18) and (c)(1) through (c)(18) of § 141.61 is July 30, 1992.

(3) The effective date for paragraphs (a)(19) through (a)(21), (c)(19) through (c)(25), and (c)(27) through (c)(33) of § 141.61 is January 17, 1994. The effective date of § 141.61(c)(26) is August 17, 1992.

(b) The effective dates for § 141.62 are as follows:

(1) The effective date of paragraph (b)(1) of § 141.62 is October 2, 1987.

(2) The effective date for paragraphs (b)(2) and (b)(4) through (b)(10) of § 141.62 is July 30, 1992.

(3) The effective date for paragraphs (b)(11) through (b)(15) of § 141.62 is January 17, 1994.

[56 FR 3593, Jan. 30, 1991, as amended at 57 FR 31846, July 17, 1992; 59 FR 34324, July 1, 1994]

§ 141.61 Maximum contaminant levels for organic contaminants.

(a) The following maximum contaminant levels for organic contaminants apply to community and non-transient, non-community water systems.

CAS No.	Contaminant	MCL (mg/l)
(1) 75-01-4	Vinyl chloride	0.002
(2) 71-43-2	Benzene	0.005
(3) 56-23-5	Carbon tetrachloride	0.005
(4) 107-06-2	1,2-Dichloroethane	0.005
(5) 79-01-6	Trichloroethylene	0.005
(6) 106-46-7	para-Dichlorobenzene	0.075
(7) 75-35-4	1,1-Dichloroethylene	0.007
(8) 71-55-6	1,1,1-Trichloroethane	0.2
(9) 156-59-2	cis-1,2-Dichloroethylene	0.07
(10) 78-87-5	1,2-Dichloropropane	0.005
(11) 100-41-4	Ethylbenzene	0.7
(12) 108-90-7	Monochlorobenzene	0.1
(13) 95-50-1	o-Dichlorobenzene	0.6
(14) 100-42-5	Styrene	0.1
(15) 127-18-4	Tetrachloroethylene	0.005
(16) 108-88-3	Toluene	1
(17) 156-60-5	trans-1,2-Dichloroethylene	0.1
(18) 1330-20-7	Xylenes (total)	10
(19) 75-09-2	Dichloromethane	0.005
(20) 120-82-1	1,2,4-Trichloro- benzene .....	.07
(21) 79-00-5	1,1,2-Trichloro- ethane .....	.005

(b) The Administrator, pursuant to section 1412 of the Act, hereby identifies as indicated in the Table below granular activated carbon (GAC), packed tower aeration (PTA), or oxidation (OX) as the best technology treat-

ment technique, or other means available for achieving compliance with the maximum contaminant level for organic contaminants identified in paragraphs (a) and (c) of this section:

BAT FOR ORGANIC CONTAMINANTS LISTED IN § 141.61 (A) AND (C)

CAS No.	Contaminant	GAC	PTA	OX
15972-60-8	Alachlor	X	.....	.....
116-06-3	Aldicarb	X	.....	.....
1646-88-4	Aldicarb sulfone	X	.....	.....
1646-87-3	Aldicarb sulfoxide	X	.....	.....
1912-24-9	Atrazine	X	.....	.....
71-43-2	Benzene	X	X	.....
50-32-8	Benzo[a]pyrene	X	.....	.....
1563-66-2	Carbofuran	X	.....	.....
56-23-5	Carbon tetrachloride	X	X	.....
57-74-9	Chlordane	X	.....	.....
75-99-0	Dalapon	X	.....	.....
94-75-7	2,4-D	X	.....	.....
103-23-1	Di (2-ethylhexyl) adipate	X	X	.....
117-81-7	Di (2-ethylhexyl) phthalate	X	.....	.....
96-12-8	Dibromochloropropane (DBCP)	X	X	.....
95-50-1	o-Dichlorobenzene	X	X	.....
106-46-7	para-Dichlorobenzene	X	X	.....

§ 141.61

40 CFR Ch. I (7-1-00 Edition)

BAT FOR ORGANIC CONTAMINANTS LISTED IN § 141.61 (A) AND (C)—Continued

CAS No.	Contaminant	GAC	PTA	OX
107-06-2	1,2-Dichloroethane	X	X	.....
75-35-4	1,1-Dichloroethylene	X	X	.....
156-59-2	cis-1,2-Dichloroethylene	X	X	.....
156-60-5	trans-1,2-Dichloroethylene	X	X	.....
75-09-2	Dichloromethane .....	.....	X	.....
78-87-5	1,2-Dichloropropane	X	X	.....
88-85-7	Dinoseb	X	.....	.....
85-00-7	Diquat	X	.....	.....
145-73-3	Endothall	X	.....	.....
72-20-8	Endrin	X	.....	.....
100-41-4	Ethylbenzene	X	X	.....
106-93-4	Ethylene Dibromide (EDB)	X	X	.....
1071-83-6	Glyphosate .....	.....	.....	X
76-44-8	Heptachlor	X	.....	.....
1024-57-3	Heptachlor epoxide	X	.....	.....
118-74-1	Hexachlorobenzene	X	.....	.....
77-47-3	Hexachlorocyclopentadiene	X	X	.....
58-89-9	Lindane	X	.....	.....
72-43-5	Methoxychlor	X	.....	.....
108-90-7	Monochlorobenzene	X	X	.....
23135-22-0	Oxamyl (Vydate)	X	.....	.....
87-86-5	Pentachlorophenol	X	.....	.....
1918-02-1	Picloram	X	.....	.....
1336-36-3	Polychlorinated biphenyls (PCB)	X	.....	.....
122-34-9	Simazine	X	.....	.....
100-42-5	Styrene	X	X	.....
1746-01-6	2,3,7,8-TCDD (Dioxin)	X	.....	.....
127-18-4	Tetrachloroethylene	X	X	.....
108-88-3	Toluene	X	X	.....
8001-35-2	Toxaphene	X	.....	.....
93-72-1	2,4,5-TP (Silvex)	X	.....	.....
120-82-1	1,2,4-Trichlorobenzene	X	X	.....
71-55-6	1,1,1-Trichloroethane	X	X	.....
79-00-5	1,1,2-Trichloroethane	X	X	.....
79-01-6	Trichloroethylene	X	X	.....
75-01-4	Vinyl chloride .....	.....	X	.....
1330-20-7	Xylene	X	X	.....

(c) The following maximum contaminant levels for synthetic organic contaminants apply to community water systems and non-transient, non-community water systems:

CAS No.	Contaminant	MCL (mg/l)
(1) 15972-60-8	Alachlor	0.002
(2) 116-06-3	Aldicarb	0.003
(3) 1646-87-3	Aldicarb sulfoxide	0.004
(4) 1646-87-4	Aldicarb sulfone	0.002
(5) 1912-24-9	Atrazine	0.003
(6) 1563-66-2	Carbofuran	0.04
(7) 57-74-9	Chlordane	0.002
(8) 96-12-8	Dibromochloropropane	0.0002
(9) 94-75-7	2,4-D	0.07
(10) 106-93-4	Ethylene dibromide	0.00005
(11) 76-44-8	Heptachlor	0.0004
(12) 1024-57-3	Heptachlor epoxide	0.0002
(13) 58-89-9	Lindane	0.0002
(14) 72-43-5	Methoxychlor	0.04
(15) 1336-36-3	Polychlorinated biphenyls	0.0005
(16) 87-86-5	Pentachlorophenol	0.001
(17) 8001-35-2	Toxaphene	0.003
(18) 93-72-1	2,4,5-TP	0.05
(19) 50-32-8	Benz[a]pyrene	0.0002
(20) 75-99-0	Dalapon	0.2
(21) 103-23-1	Di(2-ethylhexyl) adipate	0.4
(22) 117-81-7	Di(2-ethylhexyl) phthalate	0.006
(23) 88-85-7	Dinoseb	0.007
(24) 85-00-7	Diquat	0.02
(25) 145-73-3	Endothall	0.1

Environmental Protection Agency
§ 141.63

CAS No.	Contaminant	MCL (mg/l)
(26) 72-20-8	Endrin	0.002
(27) 1071-53-6	Glyphosate	0.7
(28) 118-74-1	Hexachlorobenzene	0.001
(29) 77-47-4	Hexachlorocyclopentadiene	0.05
(30) 23135-22-0	Oxamyl (Vydate)	0.2
(31) 1918-02-1	Picloram	0.5
(32) 122-34-9	Simazine	0.004
(33) 1746-01-6	2,3,7,8-TCDD (Dioxin)	3×10^{-8}

[56 FR 3593, Jan. 30, 1991, as amended at 56 FR 30280, July 1, 1991; 57 FR 31846, July 17, 1992; 59 FR 34324, July 1, 1994]

§ 141.62 Maximum contaminant levels for inorganic contaminants.

(a) [Reserved]

(b) The maximum contaminant levels for inorganic contaminants specified in paragraphs (b) (2)-(6), (b)(10), and (b) (11)-(15) of this section apply to community water systems and non-transient, non-community water systems. The maximum contaminant level specified in paragraph (b)(1) of this section only applies to community water systems. The maximum contaminant levels specified in (b)(7), (b)(8), and (b)(9) of this section apply to community water systems; non-transient, non-community water systems; and transient non-community water systems.

Contaminant	MCL (mg/l)
(1) Fluoride	4.0
(2) Asbestos	7 Million Fibers/liter (longer than 10 μm).
(3) Barium	2
(4) Cadmium	0.005
(5) Chromium	0.1
(6) Mercury	0.002
(7) Nitrate	10 (as Nitrogen)
(8) Nitrite	1 (as Nitrogen)
(9) Total Nitrate and Nitrite	10 (as Nitrogen)
(10) Selenium	0.05
(11) Antimony	0.006
(12) Beryllium	0.004
(13) Cyanide (as free Cyanide).	0.2
(14) [Reserved]	
(15) Thallium	0.002

(c) The Administrator, pursuant to section 1412 of the Act, hereby identifies the following as the best technology, treatment technique, or other means available for achieving compliance with the maximum contaminant levels for inorganic contaminants identified in paragraph (b) of this section, except fluoride:

BAT FOR INORGANIC COMPOUNDS LISTED IN SECTION 141.62(B)

Chemical Name	BAT(s)
Antimony	2,7
Asbestos	2,3,8
Barium	5,6,7,9
Beryllium	1,2,5,6,7
Cadmium	2,5,6,7
Chromium	2,5,6 ² ,7
Cyanide	5,7,10
Mercury	2 ¹ ,4,6,7 ¹
Nickel	5,6,7
Nitrate	5,7,9
Nitrite	5,7
Selenium	1,2 ³ ,6,7,9
Thallium	1,5

¹BAT only if influent Hg concentrations $\leq 10\mu\text{g}/\text{l}$.

²BAT for Chromium III only.

³BAT for Selenium IV only.

Key to BATS in Table

1=Activated Alumina

2=Coagulation/Filtration

3=Direct and Diatomite Filtration

4=Granular Activated Carbon

5=Ion Exchange

6=Lime Softening

7=Reverse Osmosis

8=Corrosion Control

9=Electrodialysis

10=Chlorine

11=Ultraviolet

[56 FR 3594, Jan. 30, 1991, as amended at 56 FR 30280, July 1, 1991; 57 FR 31847, July 17, 1992; 59 FR 34325, July 1, 1994; 60 FR 33932, June 29, 1995]

§ 141.63 Maximum contaminant levels (MCLs) for microbiological contaminants.

(a) The MCL is based on the presence or absence of total coliforms in a sample, rather than coliform density.

(1) For a system which collects at least 40 samples per month, if no more than 5.0 percent of the samples collected during a month are total coliform-positive, the system is in compliance with the MCL for total coliforms.